



# Olivier Eeckhoutte

Focused on AI & Machine Learning

I am open to following positions:

AI Engineer | Machine Learning Engineer | Technical Lead | Staff Software Engineer | DevOps | Solution Architect | CTO

17 years of professional experience  
Full Remote only

## PROFILE

I feel lucky to work in a field I am very passionate about and that evolves quickly.

Passionated about new technologies and very curious, I like to design and develop useful solutions and solve complex problems.

I enjoy learning new things all the time, be more and more proficient, discover raw gems and share my new discoveries with others.

I spent 3 years in the USA.

## EDUCATION

Engineer of “Ecole Centrale de Lille”, Graduated in 2011

Top Engineering School

Entrepreneurship and Management Specialities

Member of Iteem program: Second diploma delivered by the top Business school called Skema Business School

(Verification link: <https://www.centraliens-lille.org/fr/addressbook/fullsearch/index> )

## CONTACT INFORMATIONS

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Location: Morbihan, France

**Professional Blog:** <https://leandeep.com> (Articles about my technical skills)

**Linkedin:** <https://bit.ly/oeekhout> (Detailed profile)

## PROFESSIONAL EXPERIENCE

Senior Backend Developer, Breitling, Switzerland



Dec 2023 - Today

- Backend Development of the new worldwide headless & composable ecommerce platform <https://www.breitling.com>
- Development of event driven backend (25+) microservices (MACH Architecture using Python, GraphQL, AWS, Azure...)
- Pushing best practices (development, devops, tooling, practices) and proven working solutions from past experiences in an international team

Quant Developer Crypto (in parallel of my main job: 1 day per week)

Jul 2020 - Today

- Who better than yourself can take care of your finances ?
- I am building trading bots between DEX and CEX

Lead DevOps, TAG Heuer, Switzerland



Nov 2019 - Dev 2023 (4+ years)

- Developments of the cloud & python based middleware (custom Enterprise Service Bus) and API between the ecommerce website, Retail systems and lot's of internal backends systems —> More on this successful innovative platform here <https://bit.ly/3gs0EHY> and here <https://bit.ly/3C0hX9W>
- Developments of the custom made CIAM (Customer IAM) built on top of Keycloak using python + LDAP migration + Keycloak plugin development
- Contributed to a new Ecom headless platform and other Web based platforms
- Managed different Azure/ Kubernetes cluster builds & migrations

## KEY SKILLS

### Architecture

Clean Architecture, CQRS, Serverless, Micro Services, MACH, API Gateway, Service Mesh, SOA, Message Oriented Architecture with topics and queues (Kafka, Azure Service Bus, RabbitMQ...) SQL (MySQL, Postgres), NoSQL (MongoDB, Redis, CouchBase, Elasticsearch, Influx, DynamoDB...) SSO (keycloak), Oauth2, OIDC, Vault, UML, IoT, Enterprise Workflows (Camunda), REST, GraphQL

### Data Science

Python, BigQuery, Machine Learning (scikit-learn, Pandas, TensorFlow/ Keras, Neural networks, FastAI, PyTorch), RPA, Agents (ADK, langchain), Chatbots, AWS AI & Big data tools, Kubeflow, Prefect, Airflow, Dagster, Private or Cloud AI, supabase, MCP, RAG, Finetuning, LORA, Vertex, Prompt Engineering, RLHF, Vector DB

### DevOps/ Cloud

Azure, Amazon Web Services, GCP, Docker, Monitoring, Tests Automation, Linux (RedHat 7, CentOS, Debian), Continuous Delivery, Software Factory (CICD), Nginx, Kubernetes + custom dev operators, OpenShift (v3.6 to v4), Hub & Spoke Architecture, Terraform, 12 Factors

### Blockchain / Decentralisation

Nodes hosting, DeFi protocols, Advanced backend Web3 development, Solidity, Rust, Security, Hardhat, IPFS

## PROFESSIONAL EXPERIENCE

- Setup all kind of different DevOps automations (Terraform, CI/CD, Automated Tests, Monitoring...)
- Creation of an enterprise cross-channels Business Activity Monitoring (BAM) using a data stack (i.e: pandas, streamlit...)
- Tons of problems solved

### Senior Backend Developer/ Data engineer (in parallel of my main job at TAG Heuer)

Sept 2023 - Jan 2023 (customer: DLG Group, Switzerland)

- Social media analysis/ marketing app (full backend realised from A to Z in Python, NoSQL and hosted in Google Cloud)

### Technical Leader, Engie Trading Center, Brussels



Apr 2019 - Nov 19 (6 months contract)

- Create a reusable and transversal tool to automate end to end tests
- Migration from OVH to AWS
- Co-Technical Lead in an international team made of developers, data engineers, data analysts, quant & energy traders

### DevOps, Adeo group, France



Feb 2018 - Apr 2019 (1+ year)

- Setup and Manage large Platform As A Service (300+ servers)
- Cloud Hybrid (On-Premise - Google Cloud Platform)
- DevOps, Cloud Native Architecture
- Trainings animation (Kubernetes, Openshift, CI/CD Tools)
- Agile Methodology training and technical evangelisation
- SRE (Site Reliability Engineering): development, automation, monitoring (Python, Ansible, Terraform, Prometheus...)

## KEY SKILLS

### Web/ Mobile/ Backend dev

Javascript Single Page Apps (*Svelte*, *AngularJS*, *Angular 2+*, *Ionic*, *Backbone...*), Responsive Web Design, NodeJS, Webpack, HTML5 (*WebRTC*, *WebSockets*, *Service Workers...*), Cordova, iOS, Android, Java, TypeScript, Progressive Web Apps, TDD, BDD, DDD, Git, Python, Flutter

### Project management/ Methods

Agile (Scrum, Kanban), Holacracy, Software Craftmanship, Lean Management, Lean Startup, Design Thinking

### Ecommerce

Salesforce.com, Salesforce Commerce Cloud, Saleor, Adyen, Paazl, SAP oData, Cegid, Forter, Riskified, Cegid, Akeneo (PIM), Bynder, GlobalE, Yext, OMS and lot's of other ecommerce related SAAS (Mailchimp, Twilio, Sendgrid, Algolia, ACP...)

### Embedded dev/ Edge Computing

ESP32, Rust, Jetson Nano, k3s, balena, micropython, sensors, Raspberry Pi

### Finance

Web3 trading (Arbitrage) on BNB, ETH and TRON blockchains, Swing trading with Ichimoku

## LANGUAGES

French ██████████  
English ██████████

## PROFESSIONAL EXPERIENCE

### Technical Leader & Data Champion, SwissLife

Mar 2015 - Feb 2018 (3 years)



- *Technical Lead "Digital Solutions" (Design and development of the main customer portal)*
- *Transversal communities (Developers & DevOps) animator*
- *Dissemination of Agile & Software Craftmanship + Continuous Delivery best practices*
- *Data Champion (Big Data /Machine Learning / MLOps)*
- *Applicative Architecture Design*
- *Many innovation Studies and Proof Of Concept done*
- *Cognitive/ AI technologies referent*
- *Web & Mobile hybrid developments (Angular, Cordova, NodeJS)*

### Entrepreneurship (in parallel of my job at SwissLife)

Apr 2016 - Feb 2018

- *Design and development of IoT object to open gates with face recognition*
  - *Automatic Tensorflow Models trainings engine manageable with Web/ Mobile interface*
  - *Deep Learning on Mobile devices and OTA updates*
- *Trainer in Project Management with Scrum, Lean Startup and Holacracy (School: ISCOM)*
- *Innovation Workshop Organiser (School: ISCOM)*
- *Startup Advisor (Technology stack): (Company: LaFinbox)*
- *AngularJS, NodeJS in Test Driven Development trainer*

### CTO, Geophyle, France

Mar 2014 - Mar 2015 (1 year)



- *Team Management (7 developers)*
- *Architecture, Design and development of the solutions*
- *Projet Management (Budget / Planning / Ressources)*
- *Recruiting*

## TRAININGS & CERTIFICATIONS

Now Continuous self-learning, not necessarily through paid programs (see my posts <https://leandeep.com/posts/>)

2021 Learn how to integrate Django with Vue.js, MOOC

2021 Ethereum and Solidity Developer Bootcamp, MOOC

2020 The Complete 2020 Ethereum and Solidity

Developer Bootcamp, MOOC, Packtpub

2020 Learn to trade indexes, MOOC

2020 Forex trading with Ichimoku, MOOC

2019 Typescript fundamentals, MOOC

2019 Learning Blockchain Dev with EOS and C++, MOOC

2018 Google Cloud Platform introduction, Google, Lille

2017 Scalable Microservices with Kubernetes, Google,

Lille

2017 Running Container Clusters with Kubernetes, MOOC

2017 Lean Management Introduction, Advanced Path,

SPOC, **Certification**

2017 AWS Solutions Architect Professional **Certification**

2017 Data Science, Advanced level, OCTO, Paris

2016 Introduction to statistics with R, MOOC

2016 Data Science foundations, OCTO, Paris

2016 Apache Spark essentials, MOOC

2016 Udacity, Georgia Tech, Kaggle, NanoDegree

Program: 420h of online training about Machine Learning

2016 AWS Solutions Architect Associate **Certification**

2016 Machine Learning, Stanford, Course Certificate,

MOOC

2016 Intermediate Python For Data Science, Datacamp

2016 Amazon Web Services for Data Science, MOOC

2016 Holacracy, IGI Partners, Training + 4 month

mentoring

2016 Docker and Container Technologies, MOOC

2015 Mastering Software development, Arolla, Paris

2013 CEH v7 Training and **Certification**, Sysdream, Paris

2012 Energy Manager Professional **Certification**,

Schneider, Boston

## HOBBIES

- Beerology
- Travels
- Investing | Trading
- Coding
- Security
- 3D Printing
- Walking in Nature
- Water Sports
- DIY

## PROFESSIONAL EXPERIENCE

### Application Architect Web & Mobile Technologies, Schneider-Electric France



Mar 2013 - Mar 2014 (1 year)

- *Startup Creation - Intrapreneurship project*
- *Facility Management Cross-Platforms Application (<https://youtu.be/gl9t-XTco18>)*
- *Architecture & Development lead (AWS, Web, Mobile, NoSQL)*

### Team Leader, Schneider-Electric USA, Boston



Mar 2011 - Mar 2013 (2 years)

- *Mobile Cross-Platforms architectures design & development*
- *Technical advisor in the strategy & Innovation department*
- *Mobile development Companies buyout auditor*

### Web/Mobile Developer, Schneider-Electric USA, Alameda



Jul 2009 - Mar 2011 (2.5 years)

- *Web apps and mobile apps development*
- *Mobile Cross-Platforms development (SPA in JavaScript)*
- *8 months on-site and then full remote*

## OTHER EXPERIENCES

### Internships

- *Developer, Arc International (2 months internship 2008)*
- *Salesman, Leroy Merlin plumbing shelf (3 months internship 2007)*

### Others

- *At home computers repair from 2005 to 2008. (During my years in high school)*
- *Big Data & Machine Learning Meetup Organizer, Lille, 2018*
- *Public speaking (i.e: Nutigo, Big Data & Machine Learning, YO'Meet, during lot's of Hackathons...)*

## RECOMMENDATIONS ON DEMAND